Date: January 27, 2007

South Carolina Public Service Commission P.O. Box 11649 Columbia, SC 29211 Attention Charles Terreni

Dept: 5. A 40RS

Date: 1/29/07

2019



Re: SC Public Service Commission Docket 2005-385-E- Order No. 2006-680

I am writing in support of **true net metering** that allows a <u>single</u> electrical meter to spin forward or backwards for:

- solar and wind generated electric installations;
- · for residential and commercial consumers; and
- · without complicated or cumbersome interconnection procedures, equipment and fees.

Net metering for solar and wind installations is:

- 1. **Safe**: Today's solar and wind technologies and inverters comply with IEEE and IREC standards and are safe: there is no backflow when the public grid goes down and there is no fire or electric shock hazard.
- 2. **More efficient than the conventional grid system**: 1kwh generated on-site delivers 1 kwh on-site, whereas it takes approximately 3 kwh's <u>off</u>-site to deliver 1 kwh <u>on</u>-site due to voltage losses over long transmission lines.

Solar and wind technologies benefit South Carolina because they:

- 1. Reduce consumers' utility bills and encourage energy conservation;
- 2. Keep our money here in South Carolina it is not sent to foreign countries;
- 3. Generate jobs here for solar and wind installers small businesses comprise 80% of all jobs;
- 4. Reduce air pollution and global warming that would otherwise be injurious to citizens' health and limit business growth under EPA non-attainment standards;
- 5. Reduce the consumers' costs of solar and wind installations by eliminating the need for expensive and potentially hazardous battery systems.

Power companies do not lose money, because:

- 1. Solar generates electricity during times of peak demand when power companies have to pay top dollar, sometimes greater than retail, for electricity;
- 2. By reducing overall peak demand, it slows the need to build more expensive power plants; and
- There is no increased administrative cost to the utility they are just reading the meter as they would any other.

Respectfully submitted by:

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